

Photovoltaic Module

Monocrystalline

GS-80M



Quality and Safety

- ★ Rigorous quality control meeting the highest international standards
- ★ High-transmissivity low-iron tempered glass, strong aluminium frame Using UV-resistant silicon
- ★ Safety Class II, conformity to CE

Features

- ★ Aesthetic appearance with excellent efficiency based on innovative photovoltaic technologies
- ★ High quality, strong aluminium frame, passing mechanical load testing 5400 Pa and wind pressure 2400Pa

Warranties

- ★ 10 years limited product warranty
- ★ 15 years at 90% of the minimal rated power output
- ★ 25 years at 80% of the minimal rated power output

Certificates



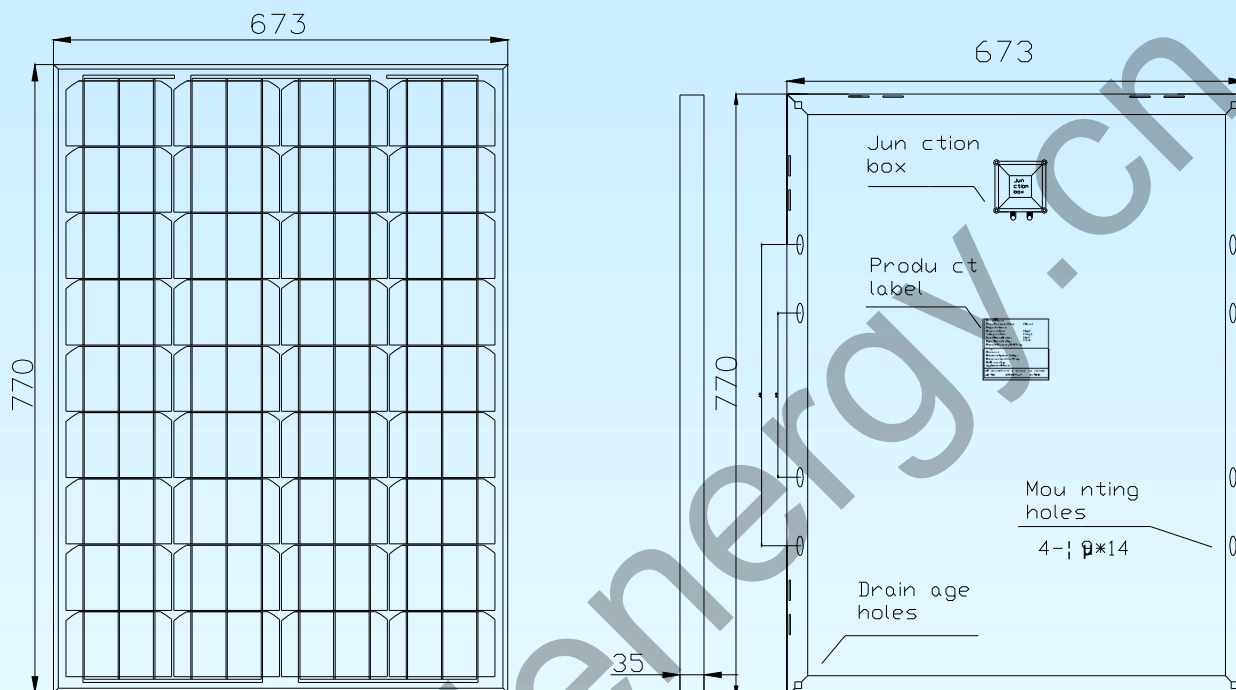
Electrical Characteristics

Model	GS-80M
Maximum Power at STC (P _{max})	80W
Optimum Operating Voltage (V _{mp})	17.5V
Optimum Operating Current (I _{mp})	4.58A
Open-Circuit Voltage (V _{oc})	21.6V
Short-Circuit Current (I _{sc})	5.17A
Solar Cell Efficiency (%)	18.81
Solar Module Efficiency (%)	15.44
Operating Temperature	-40to85℃
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	+/-3%
STC:Irradiance 1000W/m ² , Modules Temperature 25℃, AM=1.5	



GREEN SOLAR

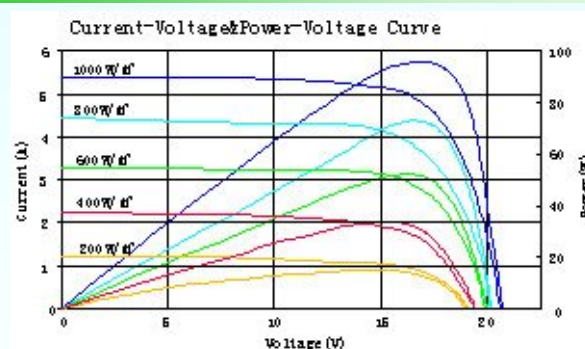
Engineering Drawings



Mechanical Characteristics

Solar cell	Mono-Crystalline 156*78mm
No. of cells	36(4×9)
Dimensions	770mm*673mm*35mm
Weight	6.2kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0808
Connector	/
Output cables	/
1*20'	/
1*40'	/
1*40'HQ	/

IV-Curves



Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	47°C±2°C
Temperature Coefficient of Pmax	-0.47%/K
Temperature Coefficient of VOC	-0.351%/K
Temperature Coefficient of ISC	+0.035%/K